



TETRA TECH EC, INC.

August 22, 2008

Mr. Donald Duthaler, Jr. PE
Director of Property Management
Baker Properties
485 Washington Avenue
Pleasantville, New York 10570

**SUBJECT: 510-534 Furnace Dock Road
Cortlandt, New York
Former Magna Metals Site/ Property Access Confirmation**

Dear Mr Duthaler:

NYSDEC has requested that ISC Properties perform additional sampling related to the former Magna Metal site. Enclosed please find 1 copy of the Work Plan which shows sampling figure locations. NYSDEC approval of the plan is anticipated sometime around September 1, 2008.

We would like to perform sampling activities in mid September. I am writing to you for confirmation that ISC, and it's Consultant, Tetra Tech EC, has access to the site under the previous agreement to perform the sampling activities outlined in the attached Work Plan.

Please confirm in writing, or if you wish, please sign acknowledgement on the bottom of this letter and return via fax or pdf.

Thank you for your prompt attention on this very important matter.

Regards,

Mark Sielski, PG
Fax: (973) 630-8165
Email Mark.sielski@tteci.com

Acknowledgement

Baker Properties agrees to allow property access to Tetra Tech EC pursuant the existing access agreements with ISC Properties

Signed:

Donald J. Duthaler

cc: Nick Ward-Willis
Sally Dewes (NYSDEC)



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ADDITIONAL DATA COLLECTION

FOR THE

**FORMER MAGNA METALS SITE
(NYSDEC Site No. 360003)**

**TOWN OF CORTLANDT
WESTCHESTER COUNTER, NEW YORK**

WORK PLAN ADDENDUM

AUGUST 2008

PREPARED BY:

**Tetra Tech EC, Inc.
1000 The American Road
Morris Plains, New Jersey 07950**



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1.0 INTRODUCTION

This work plan addendum is for collection at the Magna Metals site (the Site) located in the Town of Cortlandt, New York of additional data. This additional work will be performed to address the potential for contamination in the area where drums were previously stored near an on-site building. The additional scope of work to be implemented was a result of NYSDEC comment letters dated November 9, 2007 and March 13, 2008 in regards to the Draft Final RI Report submitted August 2007 and the December 2007 Draft Work Plan Addendum for Additional Data Collection.

The existing RI/FS Work Plan dated August 1995 (the Work Plan) and the Supplemental RI/FS Work Plan Addendum dated March 2003 (the Supplemental Work Plan) prepared by Foster Wheeler and approved by the NYSDEC will be used as procedural guidance in executing the field investigation activities, including soil and sediment sampling. Hydropunch groundwater sampling has not been conducted at the Site during previous investigations. Therefore, the procedure is included in Section 3.2.

The field investigation activities discussed below will be conducted in accordance with the NYSDEC-approved Site Health and Safety Plan, dated October 1996.

2.0 ADDITIONAL DIRECT PUSH SOIL SAMPLING AND HYDROPUNCH SAMPLING

The proposed additional activities outlined below are to determine if a former drum storage area may have contributed to contamination under the building slab. Soil and groundwater samples will be collected and analyzed as follows.

2.1 DIRECT PUSH SOIL SAMPLING

Two (2) soil borings located to the southeast of the building as presented in Figure 1 will be advanced to the water table interface. A surface soil sample will be collected for each boring and analyzed for TCL VOCs, TCL SVOCs, TCL Pesticides/PCBs, and TAL metals. A subsurface soil sample will be collected from each soil boring at the water table interface and analyzed for TCL VOCs, TCL SVOCs, TCL Pesticides/PCBs, and TAL metals. A field duplicate sample will need to be collected from either the surface or subsurface soil samples and analyzed for TCL VOCs, TCL SVOCs, TCL Pesticides/PCBs, and TAL metals.

The TCL VOC aliquot will be collected directly into the appropriate bottle/ware from the direct push sampler. The soil for the TCL SVOCs, TCL Pesticides/PCBs, and TAL metals aliquot will be collected into a disposable aluminum pan using a disposable scoop and homogenized. Then, the soil will be transferred to the appropriate sample container.

The final soil boring locations will be determined in the field with the approval of NYSDEC. The boring locations will be measured at right angles off the corners of the adjacent building.

2.2 HYDROPUNCH GROUNDWATER SAMPLING

Hydropunch groundwater samples will be collected using direct push technology as discussed below. The samples may be collected two different ways; therefore, a procedure has been included for both options. One sample from each of the two borings will be collected and analyzed for TCL VOCs, TCL SVOCs, TCL Pesticides/PCBs, and TAL metals (total and dissolved). The samples will be field filtered for the dissolved TAL metal aliquot.

Hydropunch® (or equivalent) Tool

The Hydropunch® tool collects groundwater through the effect of in situ hydrostatic head. The apparatus (or equivalent) consists of a 0.010-inch stainless steel screen, approximately 1 to 4 feet in length (depending on maker), which is attached to a disposable drive cone.

1. Advance the borehole to the desired sampling depth.
2. Place the lower check valve with attached filter screen into the bottom of the tool body and place the upper check valve in the top of the tool. Insert the disposable drive cone into the drive shoe, ensuring a seal is made by the o-ring. Place a sleeve over the juncture of the drive cone and drive shoe.
3. Drive the Hydropunch® sampler into the undisturbed soil to the desired depth, and pull back as necessary. A minimum of 6 inches of the body of the tool needs to be in the driven hole to provide a good annular seal.
4. Allow groundwater to flow into the intake screen, past the lower check valve, and into the sample chamber (waiting time is dependent on the required quantity and estimated formation permeability; approximately 20 minutes).
5. Bring the sampler to the surface. As the tool is pulled to the surface, the increase in hydrostatic head within the tool will close the two check valves.
6. Invert the Hydropunch® sampler and slowly decant the groundwater through a discharge valve into the appropriate sample containers.
7. Complete sample labels and chain of custody forms. Record the sample information in the field notebook.
8. Place the analytical samples in the cooler(s) for shipment and chill to 4°C.

Peristaltic Pump

This method involves the use of a mill-slotted probe rod, sleeved inside the hollow steel direct push rods and held in place by a sacrificial point fitted with a watertight o-ring seal.

1. Advance the borehole to the desired sampling depth via direct push technology.
2. Retract the direct push rods as necessary.
3. Push the slotted probe out of the sleeve (the lower direct push rod), into the resulting void using chase rods. The sacrificial point will be displaced and lost.
4. Collect groundwater entering the slotted probe rod using a clean, dedicated polyethylene tubing and a peristaltic pump. Lower the tubing into the borehole until the screen is reached.
5. Insert the other end of the tubing into the Teflon tubing at the peristaltic pump.
6. Purge groundwater until turbidity is visibly reduced.
7. Fill the sample bottles for TCL VOCs, TCL SVOCs, TCL Pesticides/PCBs, and TAL metals by gently letting the discharge flow down the inside of the bottle with minimal disturbance, by carefully pouring groundwater from the tubing at the end of the sampler, or by use of a discharge valve (if applicable).
7. Complete sample labels, chain of custody forms, and custody seals. Record the sample information in the field notebook.
8. Place the analytical samples in coolers for shipment and chill to 4°C.

3.0 ADDITIONAL SEDIMENT SAMPLING

Four surface sediment samples will be collected from the upgradient wetland area (see Figure 2). The samples will be collected from 0 to 6 inches below ground surface. One sediment sample will be collected within the ponded area approximately 0 to 6 inches below water bottom. The samples will be analyzed for TCL VOCs, TCL SVOCs, TCL Pesticides/PCBs, and TAL metals.

The TCL VOC aliquot will be collected directly into the appropriate bottle/ware from the sediment location. The sediment for the TCL SVOCs, TCL Pesticides/PCBs, and TAL metals aliquot will be collected into a disposable aluminum pan using a disposable scoop and homogenized. Then, the sediment will be transferred to the appropriate sample container.

The sediment locations will be surveyed using a GPS unit.

4.0 ADDITIONAL SURFACE SOIL SAMPLING

Three surface soil samples will be collected from the northern side of the property between the buildings and the wetlands (see Figure 2). One of the samples will be collected from the large "open area" north of the macadam parking area. The other two will be collected from the vegetated areas east and west of the "open area." The samples will be collected from 0 to 6 inches below ground surface. The samples will be analyzed for TCL VOCs, TCL SVOCs, TCL Pesticides/PCBs, and TAL metals.

The TCL VOC aliquot will be collected directly into the appropriate bottleware from the surface soil location. The soil for the TCL SVOCs, TCL Pesticides/PCBs, and TAL metals aliquot will be collected into a disposable aluminum pan using a disposable scoop and homogenized. Then, the soil will be transferred to the appropriate sample container.

The final surface soil locations will be determined in the field with the approval of NYSDEC. The surface soil locations will be surveyed using a GPS unit.

5.0 DATA VALIDATION

Upon receipt of soil gas and groundwater analytical results, the data will be validated and Data Usability Summary Reports (DUSRs) will be generated for each data package.

6.0 DATA SUMMARY REPORT

Following the completion of field work, laboratory analysis, and validation, the collected data will be presented in a Data Summary Report. The Data Summary Report will include analytical data tables for soil and groundwater samples, a figure showing soil boring locations, and copies of DUSRs.

7.0 SCHEDULE FOR ADDITIONAL RI DATA COLLECTION

The following schedule is presented.

Approximate Anticipated Maximum Duration			Approximate Schedule Date
Task	Duration		
NYSDEC Comments on Additional Supplemental RI Work Plan	14 Days		August 15, 2008
Submittal of revised Additional Supplemental RI Work Plan	7 Days		August 22, 2008

Approximate Anticipated Maximum Duration			Approximate Schedule Date
Task			
NYSDEC Approval of Additional Supplemental RI Work Plan	7 Days		August 29, 2008
Subcontractor Procurement	14 Days		September 12, 2008
Site Mobilization and One Call	7 Days		September 19, 2008
Soil Boring, Hydropunch, and Sediment Sampling	4 Days		September 22-25, 2008
Laboratory Analysis	21 Days		October 16, 2008
Data Validation	30 Days		November 17, 2008
Data Summary Report	14 Days		December 1, 2008

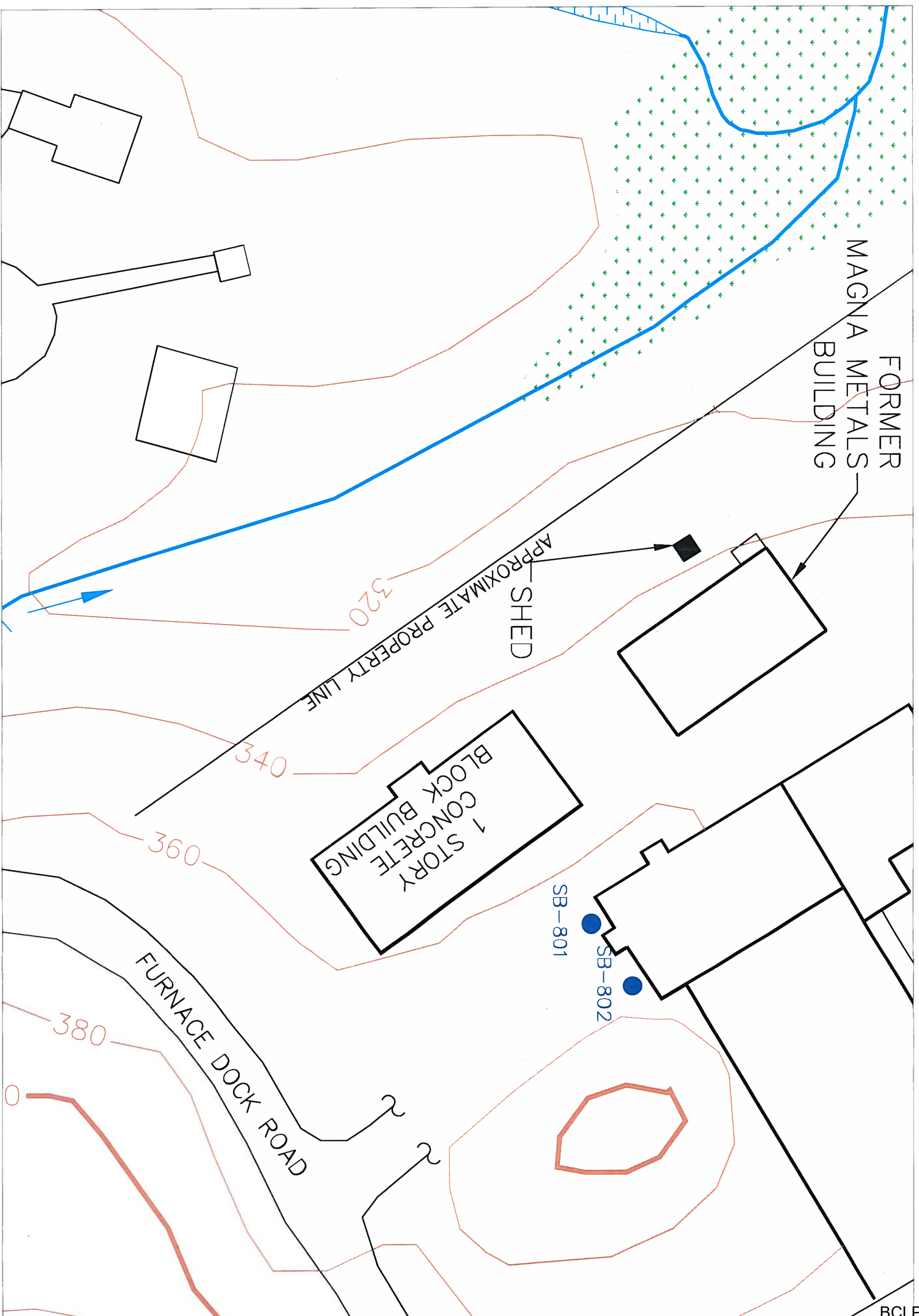
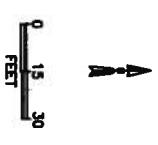
- LEGEND**
- SB-802
● PROPOSED SOIL BORING/
HYDROPUNCH LOCATION
 - 320
CONTOUR LINE (20 FT INTERVAL)
 - APPROXIMATE WETLAND AREA

NOTES:

1. LOCATIONS OF FORMER MAGNA METALS BUILDING, 1 STORY CONCRETE BLOCK BUILDING, SHED, GEOGRAPHICAL SURVEY AREA, AND MONITORING WELLS ARE BASED ON SURVEY DATA.
2. SB-801 AND SB-802 REFER TO SOIL BORINGS (SB) SAMPLED IN 2008 (B) AND THE CORRESPONDING LOCATION NUMBERS (01 OR 02).

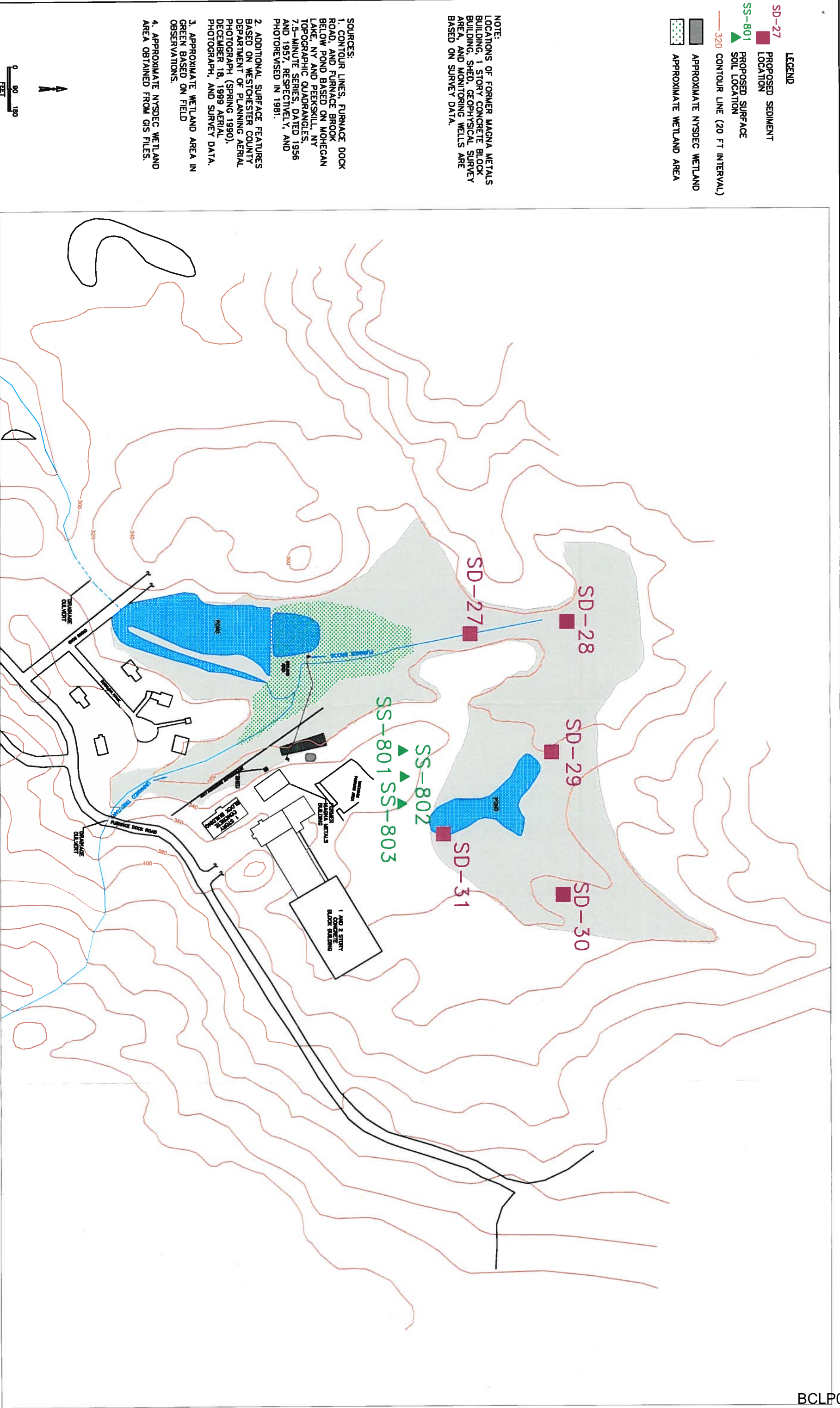
SOURCES:

1. CONTOUR LINES, FURNACE DOCK ROAD, AND FURNACE BROOK BELOW POND BASED ON MOHEGAN LAKE, NY AND PEESKILL, NY TOPOGRAPHIC QUADRANGLES, 7.5-MINUTE SERIES, DATED 1956 AND 1957, RESPECTIVELY, AND PHOTOREVISED IN 1981.
2. ADDITIONAL SURFACE FEATURES BASED ON WESTCHESTER COUNTY DEPARTMENT OF PLANNING AERIAL PHOTOGRAPH (SPRING 1990), DECEMBER 18, 1999 AERIAL PHOTOGRAPH, AND SURVEY DATA.
3. APPROXIMATE REFUSE AREA BASED ON NYSDEC DRAWING.
4. APPROXIMATE WETLAND AREA BASED ON FIELD OBSERVATIONS.



TITLE:
Proposed Soil Boring/Hydropunch Locations
Supplemental RI – July 2008 Work Plan Addendum
Magna Metals, Cortlandt, New York

DATE	REV	FIGURE NO.
08/22/2008	0	1



TETRA TECH EC, INC.

TITLE:
Proposed Sediment and Surface Soil Locations
Supplemental RI – July 2008 Work Plan Addendum
Magna Metals, Cortlandt, New York

OWN:	DES:	PROJECT NO.:
CTS	CTS	106-1172
CHDR:	APPR:	FIGURE NO.:
MS	MS	2
DATE:	REV:	
08/22/2008	1	